

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
6 May 2004 (06.05.2004)

PCT

(10) International Publication Number
WO 2004/037561 A1

(51) International Patent Classification⁷: **B60B 3/14, 3/16**

(21) International Application Number:
PCT/BR2003/000146

(22) International Filing Date: 9 October 2003 (09.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
PI0204356-4 23 October 2002 (23.10.2002) BR

(71) Applicant (for all designated States except US): **MERITOR DO BRASIL LTDA.** [BR/BR]; Av. Major José Levy Sobrinho, 2700, 13486-925- Limeira (BR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **CORTE, Cláudio**

[BR/BR]; Rua Tatuibi, 345, 13484-050-Limeira-SP (BR).
GOSSER, Nelson, Jr. [BR/BR]; Rua Padre João, 194, 13417-761- Piracicaba-SP (BR).

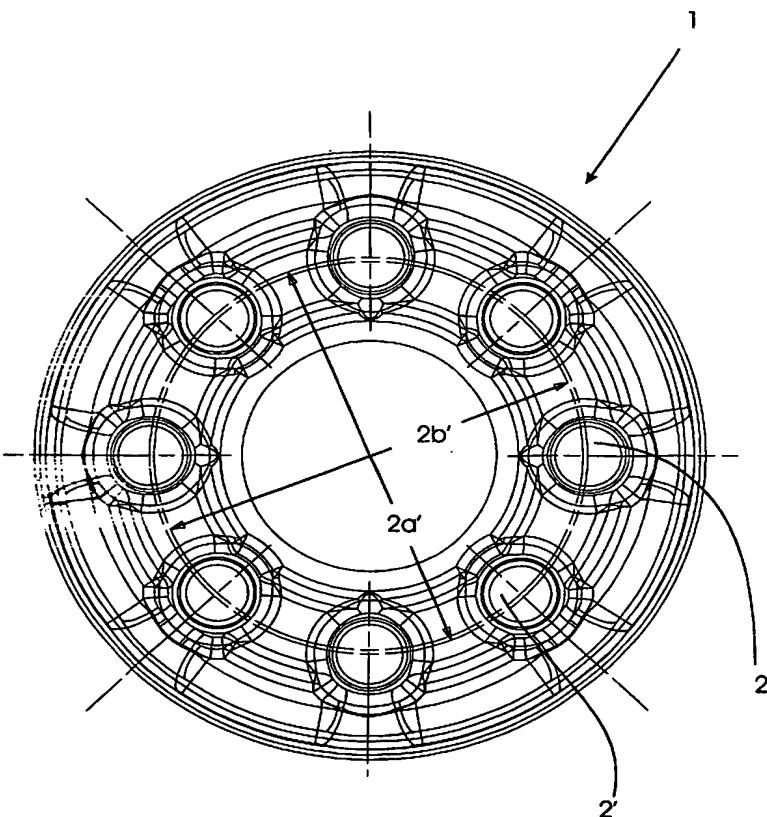
(74) Agent: **DANNEMANN, SIEMSEN, BIGLER & IPANEMA MOREIRA**; Caixa Postal 2142, Rua Marquês de Olinda, 70, 22251-040 Rio de Janeiro, RJ (BR).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

[Continued on next page]

(54) Title: A WHEEL AND A WHEEL DISC



(57) Abstract: A wheel is described, particularly for use on vehicles, which comprises a wheel rim (11) and a wheel disc (3) associable to each other, the disc (3) having a central portion that comprises a region for accommodating the wheel hub of the vehicle, around which at least six fixing bores (2,2') are concentrically arranged, wherein: - the fixing bores (2, 2') configure at least one first set of bores defining a first circumference that has a first diameter (2a) and a second set of bores defining a second circumference that has a second diameter (2b) different from the first diameter (2a); - the wheel is associated to the wheel hub of the vehicle by direct association of at least three fixing elements with the first or second set of bores through the respective fixing bores (2,2'). It is also described a wheel disc (3) that composes the wheel (1) disclosed herein.



ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*